

TARIFF ACTION MEMO

Date: April 17, 2023

Date Filed: March 10, 2023

Statutory End Date: April 24, 2023

File No: TA907-2

Name of Utility: Alaska Power Company (APC)

Subject: Cost of Power Adjustment (COPA), Small Facility Power Purchase Rate (SFPPR), Net Metering Rates, and Power Cost Equalization (PCE) Amounts Update

Recommendations

Staff recommends the Commission:

1. Approve Tariff Sheet Nos. 111, 114, 115, 116, 118, 118.1, 119, 119.1, 120 and 120.1, filed March 10, 2023, and Tariff Sheet Nos. 112, 113, 113.1, and 121 filed April 6, 2023, by APC in TA907-2, as shown on the attached side-by-side tariff sheets (Appendix 5). The effective date of the tariff sheets should be April 24, 2023.
2. Approve APC's request to waive the generation efficiency standard in 3 AAC 4620(c)(1)(A) for the Healy Lake load center for TA907-2.
3. Deny APC's request to waive the line loss standard in 3 AAC 52.620(b) for the Healy Lake load center for TA907-2, as it is unnecessary.

Please see attached Staff Memorandum supporting the above recommendations.

Signed: Christina Thibodeaux
Christina Thibodeaux

Title: Utility Tariff Analyst

Commission decision regarding these recommendations:

	<u>Date (if different from 4/17/2023)</u>	<u>I Concur</u>	<u>I Do Not Concur</u>	<u>I Will Write A Dissenting Statement*</u>
Kurber		<u>KKT</u>		
Doyle		<u>BD</u> BD		
Pickett		<u>RMP</u> BP		
Sullivan		<u>RMP</u> BP for DS		
Wilson		<u>JWW</u> JWW		

* If this column is initialed, Staff will contact the Commissioner for the statement; otherwise, the dissent will simply be noted at the close of the By Direction letter or order.

MEMORANDUM

To: Keith Kurber II, Chairman
Robert A. Doyle
Robert M. Pickett
Daniel A. Sullivan
Janis W. Wilson

Date: April 17, 2023

From: Christina Thibodeaux, Utility Tariff Analyst

Subject: Cost of Power Adjustment (COPA), Small Facility Power Purchase Rate (SFPPR), Net Metering Rates, and Power Cost Equalization (PCE) Amounts Update

Recommendations

Staff recommends the Commission:

1. Approve Tariff Sheet Nos. 111, 114, 115, 116, 118, 118.1, 119, 119.1, 120 and 120.1, filed March 10, 2023, and Tariff Sheet Nos. 112, 113, 113.1, and 121 filed April 6, 2023, by APC in TA907-2, as shown on the attached side-by-side tariff sheets (Appendix 5). The effective date of the tariff sheets should be April 24, 2023.
2. Approve APC's request to waive the generation efficiency standard in 3 AAC 4620(c)(1)(A) for the Healy Lake load center for TA907-2.
3. Deny APC's request to waive the line loss standard in 3 AAC 52.620(b) for the Healy Lake load center for TA907-2, as it is unnecessary.

Background

APC's load is met with a combination of energy generated by its own combustion generation units, as well as hydroelectric energy purchased from Black Bear Lake Hydro (BBL Hydro),¹ Goat Lake Hydro (GLH),² and Hiilangaay Hydro,³ and all related costs are recovered through APC's COPA surcharges.⁴ In the Gustavus rate center, electric load is met primarily with hydroelectric energy generated by APC's Falls Creek hydroelectric facility.⁵ The load is supplemented with energy generated by APC's diesel plant only when

¹ See Order No. U-95-016(3), issued February 22, 1996. BBL Hydro is a wholesale hydroelectric generation facility located at Black Bear Lake on Prince of Wales Island. Energy from BBL serves APC's Coffman Cove, Craig, Klawock, Naukati, and Thorne Bay (Prince of Wales) rate centers. APC's contract with BBL expires in 2025. See Order No. U-95-016(2), issued August 21, 1995, approving the initial contract, and Letter Order No. L1000023, issued January 29, 2010, approving amendment 3 (TA3-573).

² See Order No. U-97-191(1), issued December 15, 1997. GLH is a wholesale hydroelectric generation facility located at Goat Lake, approximately eight miles north of Skagway. Energy from GLH serves APC's Skagway and Haines rate center. APC's contract with GLH expires in 2045, page 16. See Exhibit MJV-2 to the Staff Memorandum for TA2-521, dated March 8, 1999, pages 27- 45.

³ See Order No. U-15-012(2), issued August 24, 2015, and Letter Order No. L20000390, issued November 2, 2020. Hiilangaay Hydro (formerly known as Reynolds Creek Hydro) is a wholesale hydroelectric generation facility located near Hydaburg on Prince of Wales Island and owned by Haida Energy, Inc. (HEI). Energy from Hiilangaay serves APC's Prince of Wales Island rate centers. APC's contract with HEI expires in 2072.

⁴ See APC Tariff Sheet Nos. 111-113 and 114-116. APC's base cost of power for all rate groups is set at \$0.00/kWh, resulting in all approved power costs for each rate group being recovered exclusively through the respective COPA surcharge. See Order No. U-14-002(1), issued January 2014.

⁵ See Staff Memorandum for TA103-417, dated March 4, 2010. The Falls Creek Project is located approximately 5 miles east of Gustavus at the Kataheena River.

hydroelectricity is not available,⁶ and the related diesel costs are recovered through the COPA surcharge.⁷

Filing

APC now submits TA907-2, its quarterly COPA, SFPPR, Net Metering, and PCE amount updates for all rate groups for the period beginning March 1, 2023. With TA907-2, APC requests approval of Tariff Sheet Nos. 111, 112, 113, 113.1, 114, 115, 116, 118, 118.1, 119, 119.1, 120, 120.1, and 121 with an effective date of April 24, 2023. APC submitted two supplements to TA907-2 on April 6, 2023.⁸

The Commission evaluates proposed revisions to COPA surcharges under 3 AAC 52.504, which requires each proposed COPA revision to include information supporting entries in the COPA balancing account for the historical period, and support for projections for the future period.⁹

Calculation of APC's COPA rates consist of two parts. The first part includes a 3-month estimate of kWh sales and fuel and power costs.¹⁰ APC submitted supporting documentation for the estimates for the 3-month period of March, 2023 through May 2023. The second part includes documentation for the actual balancing account entries for December 2022 through February 2023 and the balancing account balance as of March 1, 2023.¹¹ APC provided actual usage, generation, cost, and sales data for the period of December 2022 through February 2023, including invoices and spreadsheets supporting the balancing account entries.

Notice

In accordance with historic Commission practice, a publication notice was not issued for TA907-2.¹²

Discussion/Analysis

COPA Surcharge Updates

Appendix 1 shows a comparison of all of APC's COPA surcharges. Appendix 2 shows a comparison of calculation detail for the current and proposed COPA determinations.

⁶ See Supplement to TA119-417, submitted May 13, 2013, response #7.

⁷ See Order No. U-16-078(11), issued December 13, 2017. The Gustavus rate center was included in APC's tariff and the base cost of power for that rate center was set to \$0.00. See APC Tariff Sheet No. 113.

⁸ See TR2301486 and TR2301487

⁹ See 3 AAC 52.504(g), *Filing Requirements for Electric Utilities*. This support includes invoices, records, reports, calculations, contracts, and any other information the Commission and Staff consider necessary to explain the proposed COPA calculation.

¹⁰ See APC Tariff Sheet Nos. 111 through 116, Section E.1. APC's 3-month projections are developed using actual data from the previous year. See *also* APC Tariff Sheet No. 110.

¹¹ APC maintains a separate balancing account and COPA calculation for each rate group, and in some rate groups, for each community or group of communities served, known as load centers. APC submits support for the fuel and purchased power expenses from various sources for each rate group and load center.

¹² One reason the Commission forgoes publication notice for COPA filings is 3 AAC 52.504(d), which states "[f]or a COPA filing under (b) of this section, an electric utility is not required to give public notice under AS 42.05.411..." This allows a utility to implement a COPA upon filing, rather than waiting the 45 days specified in AS 42.05.411 to ensure adequate notice to the public of a tariff revision.

Appendix 3 shows the impact of the current and proposed COPA and PCE amounts on a residential customer with usage of 500 kWh.

Staff has reviewed all information and calculations filed in support of the proposed surcharges and verified that APC provided all required information. Staff confirmed that the proposed surcharges were calculated accurately, using APC's approved methodology, and that the tariff sheets are correct.¹³

SFPPR Updates

APC's SFPPR is the rate at which the utility will purchase energy from Qualifying Facilities with a design capacity of 100 kW or less and is calculated based on the number of gallons of diesel consumed in the historical period used in the COPA calculation, updated to reflect the current price of the utility's fuel inventory, divided by the number of kWh generated by diesel in the historical period used in the COPA calculation. APC calculates four separate SFPPRs: Skagway and Haines, Prince of Wales Island, Gustavus, and Tok.

Appendix 1 shows a comparison of all of APC's SFPPRs. Staff confirmed that the proposed SFPPRs were calculated accurately, using APC's approved methodology, and that the tariff sheets are correct.¹⁴

Net Metering Rate Updates

APC's Net Metering rates are calculated by dividing the cost of diesel fuel and purchased energy consumed during the previous three months by the total kilowatt-hours produced by diesel and hydro for the previous three months. Appendix 1 shows a comparison of all of APC's Net Metering rates.

APC submitted supporting documentation for the 3-month period of December 2022 through February 2023. Staff has reviewed all information and calculations filed in support of the proposed net metering rate updates. Staff confirmed that the proposed Net Metering rates were calculated accurately, using APC's approved methodology, and that the tariff sheets are correct.¹⁵

PCE Amount Updates

Proposed adjustments to PCE amounts are evaluated under 3 AAC 52.600-690. Each participating regulated electric utility is required to submit revised PCE amounts in conjunction with COPA surcharge adjustments.¹⁶ The utility must provide information supporting the request for the PCE amount revision.¹⁷ Adjustments will be made to the PCE amounts if the utility does not achieve the generation efficiency and/or line loss standards set out in 3 AAC 52.620.¹⁸ If a utility fails to meet the generation efficiency standards (kWh/gallon), Staff will impute the number of gallons that should have been consumed. Because 3 AAC 52.610(f) provides no guidance on the method of imputing

¹³ See side-by-side tariff sheets Nos. 111, 112, 113, 114, 115, 116, attached as Appendix 5.

¹⁴ See side-by-side Tariff Sheet Nos. 113.1, 118, 119, and 120, attached as Appendix 5.

¹⁵ See side-by-side Tariff Sheet Nos. 118.1, 119.1, and 120.1, attached as Appendix 5.

¹⁶ See 3 AAC 52.640(a)(1) which provides that a utility will request a change in its PCE with the approval of a tariff filing under 3 AAC 52.501 – 3 AAC 52.519, the regulations specific to COPA filings.

¹⁷ See 3 AAC 52.640(d).

¹⁸ See 3 AAC 52.620, *Generation Efficiency and Line Loss Standards*.

the number of gallons that should have been consumed, Staff uses the method prescribed for non-regulated utilities in 3 AAC 52.610(g)(1)(B). If a utility fails to meet the line loss standard of 12 percent, Staff will impute the number of kWh that should have been sold. The resulting imputed sales and/or generation is then used to calculate an adjusted balancing account balance which is used in determining the total fuel power costs used in the calculation of the PCE amount. Appendix 1 shows a comparison of all of APC's PCE amounts.¹⁹

Staff confirmed that the proposed PCE amounts were calculated accurately, and the tariff sheets are correct.²⁰

Tariff Sheets

Staff reviewed Tariff Sheet Nos. 111, 112, 113, 113.1, 114, 115, 116, 118, 118.1, 119, 119.1, 120, 120.1, and 121. Staff notes APC filed revised Tariff Sheet Nos. 112, 113, 113.1 and 121 on April 6, 2023. Staff has verified the proposed surcharge and rate were calculated accurately using APC's approved methodology, the proper support was filed, and the tariff sheets are correct.

Waiver of Generation Efficiency and Line Loss Standards

3 AAC 52.620(a) provides that a utility must meet a minimum generation efficiency and line loss standard to encourage efficient and economical generation, transmission, and distribution of electricity. 3 AAC 52.620(b) provides that a line loss standard of 12 percent applies to all electricity sold. Line loss is measured by dividing all kilowatt-hours generated or purchased, minus kilowatt-hours sold plus station service, by all kilowatt-hours generated or purchased. 3 AAC 52.620(c) provides that the following generation efficiency standards apply only to the utility's diesel generation, are measured in kilowatt-hours generated per gallon of fuel consumed and are based on the annual number of kilowatt-hours of diesel generation.

With TA907-2, APC requests a waiver of 3 AAC 52.620(b) and (c)(1)(A) for Healy Lake. APC states:

APC believes that good cause for the Commission to grant this waiver request is that as of February 2023, there are only thirteen customers connected to power at this location. Without the assistance of PCE, these customers will most likely not be able to afford connection to power on a long-term basis.²¹

Staff notes that Healy Lake met the line loss standard but did not meet the generation efficiency standard for this reporting period. Staff also notes that a waiver of 3 AAC 52.620

¹⁹ Detailed PCE calculations are shown in Appendix 4. In accordance with 3 AAC 52.610(a), APC determines separate PCE amounts for each rate group, and within some rate groups, for each load center. The fuel and purchased power costs, generation and distribution data for each rate group and load center vary based on geographic location and weather conditions, among other factors.

²⁰ See side-by-side Tariff Sheet No 121, attached as Appendix 5.

²¹ See tariff advice letter for TA907-2, at page 2.

for Healy Lake has been approved in Order U-14-002(9),²² Order U-14-002(13),²³ and several subsequent Letter Orders.²⁴ In those orders, the Commission determined that APC had demonstrated good cause.

Staff calculated the PCE amount for Healy Lake using both the actual and imputed balancing account balance and found that the PCE amount would decrease from 0.6876/kWh to 0.6701/kWh if the imputed balancing account balance is used. Staff believes that there would be no benefit using the imputed balancing account. Therefore, Staff recommends the Commission grant APC's request for a waiver of 3 AAC 52.620(c)(1)(A). Staff recommends the Commission deny APC's request for a waiver of 3 AAC 52.620(b) because, as stated above, the Healy Lake rate center met the line loss standard.

Conclusion

With TA907-2, APC requests approval of its updated COPA, SFPPR, Net Metering, and PCE amounts for the period beginning March 1, 2023. APC also requests a waiver of 3 AAC 52.620(b) and (c)(1)(A) for Healy Lake for TA907-2. Based on the discussion above, Staff recommends that the Commission:

1. Approve Tariff Sheet Nos. 111, 114, 115, 116, 118, 118.1, 119, 119.1, 120 and 120.1, filed March 10, 2023, and Tariff Sheet Nos. 112, 113, 113.1, and 121 filed April 6, 2023, by APC in TA907-2. The effective date of the tariff sheets should be April 24, 2023.
2. Approve APC's request to waive the generation efficiency standard in 3 AAC 4620(c)(1)(A) for the Healy Lake load center for TA907-2.
3. Deny APC's request to waive the line loss standard in 3 AAC 52.620(b) for the Healy Lake load center for TA907-2, as it is unnecessary.

Signature: Keith Kurber II
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²² See Order No. U-14-002(9), *Order Suspending Tariff Filings, Approving Interim and Refundable Rates, Approving Tariff Sheets, Granting Waiver, and Amending Docket Title*, issued July 28, 2014.

²³ 3 AAC 52.620 (a) and (b) waived with Order No. U-14-002(13), *Order Suspending TA846-2, Approving Interim and Refundable Rates, Approving Tariff Sheets, Granting Waiver, and Amending Docket Title*, issued November 3, 2014.

²⁴ 3 AAC 52.620 (a) and (b) waiver granted with Letter Order No. L1500071, issued February 23, 2015; Letter Order No. L1500224, issued April 17, 2015; Letter Order No. L1500384, issued July 20, 2015; Letter Order No. L1500554, issued October 29, 2015; Letter Order No. L1600025, issued January 22, 2016; Letter Order No. L1600186, issued April 25, 2016; Letter Order No. L1600351, issued July 21, 2016; Letter Order No. L1600506, issued October 21, 2016; Letter Order No. L1700005, issued January 6, 2017; Letter Order No. L1800062, issued February 2, 2018; Letter Order No. L1800155, issued April 6, 2018; Letter Order No. L1800426, issued October 5, 2018; Letter Order No. L1900051, issued January 18, 2019; Letter Order No. L1900162, issued April 19, 2019; Letter Order No. L1900282, issued July 16, 2019; and Letter Order No. L1900389, issued October 15, 2019. 3 AAC 52.620 (b) and (c) waiver granted with Letter Order No. L2000013, issued January 17, 2020; Letter Order No. L2000159, issued April 16, 2020; Letter Order No. L2000286, issued July 17, 2020; and Letter Order No. L2000380, issued October 16, 2020.

Cost of Power Adjustment Surcharges				
Line	Description	Current Surcharge	Proposed Surcharge	Change
1	COPA SURCHARGE			
2	Rate Group 1 - Skagway and Haines	0.1288	0.1234	(0.0055)
3	Rate Group 2 - Prince of Wales	0.1380	0.1423	0.0043
4	Rate Group 3 - Gustavus	(0.0344)	0.0346	0.0690
5	Rate Group 4 - Tok/Dot Lake/Tetlin	0.2471	0.2393	(0.0079)
6	Rate Group 5 - Allakaket/Alatna	0.6568	0.6628	0.0059
7	Rate Group 5 - Bettles/Evansville	0.3077	0.3373	0.0296
8	Rate Group 5 - Chistochina/Mentasta/Siana	0.2600	0.2157	(0.0443)
9	Rate Group 5 - Eagle	0.5831	0.4518	(0.1313)
10	Rate Group 5 - Healy Lake	0.5319	0.5616	0.0297
11	Rate Group 5 - Northway	0.2523	0.2056	(0.0467)

Power Cost Equalization Levels				
Line	Description	Current Level	Proposed Level	Change
1	PCE LEVELS			
2	Rate Group 1 - Skagway and Haines	0.0618	0.0567	(0.0051)
3	Rate Group 2 - Prince of Wales	0.0701	0.0742	0.0041
4	Rate Group 3 - Gustavus	0.0991	0.1646	0.0655
5	Rate Group 4 - Tok/Dot Lake/Tetlin	0.2914	0.2835	(0.0079)
6	Rate Group 5 - Allakaket/Alatna	0.7640	0.7640	-
7	Rate Group 5 - Bettles/Evansville	0.4464	0.4745	0.0281
8	Rate Group 5 - Chistochina/Mentasta/Siana	0.4011	0.3590	(0.0421)
9	Rate Group 5 - Eagle	0.7080	0.5833	(0.1247)
10	Rate Group 5 - Healy Lake	0.6594	0.6876	0.0282
11	Rate Group 5 - Northway	0.3938	0.3494	(0.0444)

Net Metering Rates					
Line	Description	Current Rate (\$/kWh)	Proposed Rates		Difference
			Cost (A) (\$)	Generation (B) (kWh)	Proposed Rate (A/B) (\$/kWh) Change from Current Rate
1	Rate Group 1 - Skagway and Haines (Sheet 118.1)	\$ 0.0837	865,958	7,628,598	\$ 0.1135 \$ 0.0298
2	Rate Group 2 - Prince of Wales (Sheet 119.1)	\$ 0.0953	1,147,681	9,200,676	\$ 0.1247 \$ 0.0294
3	Rate Group 4 - Tok (Sheet 120.1)	\$ 0.2868	766,398	3,282,800	\$ 0.2335 \$ (0.0533)

Small Facility Power Purchase Rates							
Line	Description	Current Rate (\$/kWh)	Proposed Rates				Difference
			Gallons Consumed (A)	Current Fuel Price (B)	Total Fuel Cost (C)	Diesel kWh Generated (D)	New Small Facility Power Purchase Rate (\$/kWh) Change from Current Rate
1	Rate Group 1 - Skagway and Haines (Sheet 118)	\$ 0.3522	88,711	3.7487	\$ 332,550.93	1,271,502	0.2615 \$ (0.0907)
2	Rate Group 2 - Prince of Wales (Sheet 119)	\$ 0.3710	25,260	3.9149	\$ 98,890.37	314,310	0.3146 \$ (0.0564)
3	Rate Group 3 - Gustavus (Sheet 113.1)	\$ 0.3874	267	6.0072	\$ 1,600.92	4,036	0.3967 \$ 0.0093
4	Rate Group 4 - Tok (Sheet 120)	\$ 0.2958	173,166	3.3046	\$ 572,244.36	2,501,400	0.2288 \$ (0.0670)

Calculation of the Cost of Power Adjustment									
	A	B	C	D	E	F	G	H	I
Rate Center	Estimated \$/Gallon	Estimated Quantity	Estimated Purchased Power Cost	Estimated Quantity	Total Estimated Fuel and Power Costs ((A*B)+(C*D))	Balancing Account Balance	Total (E+F)	Estimated Sales	Cost of Power (G/H)
Haines/Skagway									
Prior	\$ 4.4000	106,041	\$ 0.06301	6,228,100	\$ 1,035,463.98	\$ (119,473.36)	\$ 915,990.62	7,110,675	\$ 0.1288
Proposed	\$ 3.7500	48,711	\$ 0.06301	6,182,395	\$ 748,669.96	\$ 35,332.33	\$ 784,002.29	6,355,890	\$ 0.1234
Prince of Wales									
Prior	\$ 4.0000	90,613	\$ 0.12294	7,751,120	\$ 1,085,826.62	\$ (2,332.39)	\$ 1,083,494.23	7,849,470	\$ 0.1380
Proposed	\$ 3.7326	80,000	\$ 0.12294	7,146,762	\$ 926,342.66	\$ 97,117.75	\$ 1,023,460.41	7,189,934	\$ 0.1423
Gustavus									
Prior	\$ 5.0828	10,000	\$ 50,828.00		\$ 50,828.00	\$ (9,842.18)	\$ (23,727.69)	689,778	\$ (0.0344)
Proposed	\$ 5.8189	13,000	\$ 75,645.70		\$ 75,645.70	\$ (6,251.69)	\$ 21,600.27	624,341	\$ 0.0346
Tok/Dot Lake/Tetlin									
Prior	\$ 3.2000	213,055	\$ -	-	\$ 681,776.00	\$ 13,764.62	\$ 695,540.62	2,814,454	\$ 0.2471
Proposed	\$ 3.3000	173,166	\$ -	-	\$ 571,447.80	\$ (29,343.74)	\$ 542,104.06	2,265,558	\$ 0.2393
Allakaket									
Prior	\$ 7.2800	15,976	\$ -	-	\$ 116,305.28	\$ 2,706.19	\$ 119,011.47	181,189	\$ 0.6568
Proposed	\$ 7.5456	12,602	\$ -	-	\$ 95,089.27	\$ (380.72)	\$ 94,708.55	142,898	\$ 0.6628
Bettles									
Prior	\$ 3.4751	14,055	\$ -	-	\$ 48,842.53	\$ (571.59)	\$ 48,270.94	156,852	\$ 0.3077
Proposed	\$ 3.4751	9,811	\$ -	-	\$ 34,094.21	\$ 3,805.44	\$ 37,899.65	112,360	\$ 0.3373
Chistochina/Mentasta/Slana									
Prior	\$ 3.2000	35,217	\$ -	-	\$ 112,694.40	\$ (7,981.54)	\$ 104,712.86	402,726	\$ 0.2600
Proposed	\$ 3.5242	24,328	\$ -	-	\$ 85,736.74	\$ (17,823.59)	\$ 67,913.15	314,840	\$ 0.2157
Eagle									
Prior	\$ 4.7073	23,439	\$ -	-	\$ 110,334.40	\$ 15,792.68	\$ 126,127.08	216,303	\$ 0.5831
Proposed	\$ 4.7139	17,267	\$ -	-	\$ 81,394.91	\$ (1,023.59)	\$ 80,371.32	177,906	\$ 0.4518
Healy Lake									
Prior	\$ 4.0737	3,413	\$ -	-	\$ 13,903.54	\$ 2,919.55	\$ 16,823.09	31,627	\$ 0.5319
Proposed	\$ 4.0737	3,111	\$ -	-	\$ 12,673.28	\$ 574.97	\$ 13,248.25	23,589	\$ 0.5616
Northway									
Prior	\$ 3.4000	27,418	\$ -	-	\$ 93,221.20	\$ (13,288.75)	\$ 79,932.45	316,852	\$ 0.2523
Proposed	\$ 3.4100	20,185	\$ -	-	\$ 68,830.85	\$ (20,253.22)	\$ 48,577.63	236,324	\$ 0.2056

Sample Skagway and Haines Residential Customer Billing - 750 kWh Usage				
Line	Description	Current Rates	Proposed Rates	Change from Current Rate
1	COPA Surcharge (\$/kWh)	0.1288	0.1234	(0.0055)
2	PCE Credit (\$/kWh)	0.0618	0.0567	(0.0051)
3	750 KWH CUSTOMER BILL			
4	Customer Charge	\$ 22.00	\$ 22.00	\$ -
5	Energy Charge @ \$0.1473/kWh	110.48	110.48	-
6	RCC @ \$0.000893/kWh	0.67	0.67	-
7	COPA Surcharge (\$)	96.61	92.51	(4.10)
8	PCE Credit (\$)	(46.35)	(42.54)	3.81
9	Total Customer Bill	<u>\$ 183.41</u>	<u>\$ 183.12</u>	<u>\$ (0.29)</u>

Sample Prince of Wales Residential Customer Billing - 750 kWh Usage				
Line	Description	Current Rates	Proposed Rates	Change from Current Rate
1	COPA Surcharge (\$/kWh)	0.1380	0.1423	0.0043
2	PCE Credit (\$/kWh)	0.0701	0.0742	0.0041
3	750 KWH CUSTOMER BILL			
4	Customer Charge	\$ 22.00	\$ 22.00	\$ -
5	Energy Charge @ \$0.151/kWh	113.25	113.25	-
6	RCC @ \$0.000893/kWh	0.67	0.67	-
7	COPA Surcharge (\$)	103.53	106.76	3.23
8	PCE Credit (\$)	(52.58)	(55.65)	(3.08)
9	Total Customer Bill	<u>\$ 186.87</u>	<u>\$ 187.03</u>	<u>\$ 0.16</u>

Sample Gustavus Residential Customer Billing - 750 kWh Usage				
Line	Description	Current Rates	Proposed Rates	Change from Current Rate
1	COPA Surcharge (\$/kWh)	(0.0344)	0.0346	0.0690
2	PCE Credit (\$/kWh)	0.0991	0.1646	0.0655
3	750 KWH CUSTOMER BILL			
4	Customer Charge	\$ 22.00	\$ 22.00	\$ -
5	Energy Charge @ \$0.392/kWh	294.00	294.00	-
6	RCC @ \$0.000893/kWh	0.67	0.67	-
7	COPA Surcharge (\$)	(25.80)	25.95	51.75
8	PCE Credit (\$)	(74.33)	(123.48)	(49.15)
9	Total Customer Bill	<u>\$ 216.55</u>	<u>\$ 219.14</u>	<u>\$ 2.60</u>

Sample Tok/Dot Lake/Tetlin Residential Customer Billing - 750 kWh Usage				
Line	Description	Current Rates	Proposed Rates	Change from Current Rate
31	COPA Surcharge (\$/kWh)	0.2471	0.2393	(0.0079)
32	PCE Credit (\$/kWh)	0.2914	0.2835	(0.0079)
33	750 KWH CUSTOMER BILL			
34	Customer Charge	\$ 22.00	\$ 22.00	\$ -
35	Energy Charge @ \$0.2098/kWh	157.35	157.35	-
36	RCC @ \$0.000893/kWh	0.67	0.67	-
37	COPA Surcharge (\$)	185.35	179.46	(5.89)
38	PCE Credit (\$)	(218.55)	(212.63)	5.92
39	Total Customer Bill	<u>\$ 146.82</u>	<u>\$ 146.85</u>	<u>\$ 0.03</u>

Sample Allakaket/Alatna Residential Customer Billing - 750 kWh Usage				
Line	Description	Current Rates	Proposed Rates	Change from Current Rate
41	COPA Surcharge (\$/kWh)	0.6568	0.6628	0.0059
42	PCE Credit (\$/kWh)	0.7640	0.7640	-
43	750 KWH CUSTOMER BILL			
44	Customer Charge	\$ 22.00	\$ 22.00	\$ -
45	Energy Charge @ \$0.4101/kWh	307.58	307.58	-
46	RCC @ \$0.000893/kWh	0.67	0.67	-
47	COPA Surcharge (\$)	492.63	497.08	4.45
48	PCE Credit (\$)	(572.99)	(572.99)	-
49	Total Customer Bill	<u>\$ 249.88</u>	<u>\$ 254.33</u>	<u>\$ 4.45</u>

Sample Bettles/Evansville Residential Customer Billing - 750 kWh Usage				
Line	Description	Current Rates	Proposed Rates	Change from Current Rate
51	COPA Surcharge (\$/kWh)	0.3077	0.3373	0.0296
52	PCE Credit (\$/kWh)	0.4464	0.4745	0.0281
53	750 KWH CUSTOMER BILL			
54	Customer Charge	\$ 22.00	\$ 22.00	\$ -
55	Energy Charge @ \$0.4101/kWh	307.58	307.58	-
56	RCC @ \$0.000893/kWh	0.67	0.67	-
57	COPA Surcharge (\$)	230.81	252.98	22.17
58	PCE Credit (\$)	(334.80)	(355.89)	(21.09)
59	Total Customer Bill	<u>\$ 226.26</u>	<u>\$ 227.33</u>	<u>\$ 1.08</u>

Sample Chistochina/Mentasta/Slana Residential Customer Billing - 750 kWh Usage				
Line	Description	Current Rates	Proposed Rates	Change from Current Rate
61	COPA Surcharge (\$/kWh)	0.2600	0.2157	(0.0443)
62	PCE Credit (\$/kWh)	0.4011	0.3590	(0.0421)
63	750 KWH CUSTOMER BILL			
64	Customer Charge	\$ 22.00	\$ 22.00	\$ -
65	Energy Charge @ \$0.4101/kWh	307.58	307.58	-
66	RCC @ \$0.000893/kWh	0.67	0.67	-
67	COPA Surcharge (\$)	195.01	161.78	(33.23)
68	PCE Credit (\$)	(300.83)	(269.25)	31.57
69	Total Customer Bill	<u>\$ 224.43</u>	<u>\$ 222.77</u>	<u>\$ (1.66)</u>

Sample Eagle Residential Customer Billing - 750 kWh Usage				
Line	Description	Current Rates	Proposed Rates	Change from Current Rate
71	COPA Surcharge (\$/kWh)	0.5831	0.4518	(0.1313)
72	PCE Credit (\$/kWh)	0.7080	0.5833	(0.1247)
73	750 KWH CUSTOMER BILL			
74	Customer Charge	\$ 22.00	\$ 22.00	\$ -
75	Energy Charge @ \$0.4101/kWh	307.58	307.58	-
76	RCC @ \$0.000893/kWh	0.67	0.67	-
77	COPA Surcharge (\$)	437.33	338.82	(98.51)
78	PCE Credit (\$)	(531.00)	(437.45)	93.55
79	Total Customer Bill	<u>\$ 236.57</u>	<u>\$ 231.62</u>	<u>\$ (4.95)</u>

Sample Healy Lake Residential Customer Billing - 750 kWh Usage				
Line	Description	Current Rates	Proposed Rates	Change from Current Rate
81	COPA Surcharge (\$/kWh)	0.5319	0.5616	0.0297
82	PCE Credit (\$/kWh)	0.6594	0.6876	0.0282
83	750 KWH CUSTOMER BILL			
84	Customer Charge	\$ 22.00	\$ 22.00	\$ -
85	Energy Charge @ \$0.4101/kWh	307.58	307.58	-
86	RCC @ \$0.000893/kWh	0.67	0.67	-
87	COPA Surcharge (\$)	398.94	421.22	22.28
88	PCE Credit (\$)	(494.56)	(515.71)	(21.15)
89	Total Customer Bill	<u>\$ 234.62</u>	<u>\$ 235.76</u>	<u>\$ 1.13</u>

Sample Northway Residential Customer Billing - 750 kWh Usage				
Line	Description	Current Rates	Proposed Rates	Change from Current Rate
91	COPA Surcharge (\$/kWh)	0.2523	0.2056	(0.0467)
92	PCE Credit (\$/kWh)	0.3938	0.3494	(0.0444)
93	750 KWH CUSTOMER BILL			
94	Customer Charge	\$ 22.00	\$ 22.00	\$ -
95	Energy Charge @ \$0.4101/kWh	307.58	307.58	-
96	RCC @ \$0.000893/kWh	0.67	0.67	-
97	COPA Surcharge (\$)	189.20	154.17	(35.04)
98	PCE Credit (\$)	(295.35)	(262.03)	33.32
99	Total Customer Bill	<u>\$ 224.10</u>	<u>\$ 222.38</u>	<u>\$ (1.72)</u>

Alaska Power Company
POWER COST EQUALIZATION

Rate Group 1 - Haines and Skagway

Calculation of Power Cost Equalization			
Line	Description	Prior Commission Determination (\$/kWh)	Updated Commission Determination (\$/kWh)
A	Non-Fuel Power Costs	0.1321	0.1321
B	Fuel Power Costs	0.1288	0.1234
C	Total Power Costs	0.2609	0.2555
D	Total Costs Less \$0.1958/kWh	0.0651	0.0597
E	95% of Total Power Costs	0.0618	0.0567
F	Statutory Maximum [(1-0.1958)*0.95]	0.7640	0.7640
G	Lesser of E or F	0.0618	0.0567
H	Customer Class Rate Residential	0.1105	0.1051
I	Power Cost Equalization - Lesser of G or H Residential	0.0618	0.0567
J	Power Cost Equalization - After Reduction Residential	100% 0.0618	100% 0.0567

Amendment to Allowable Costs		
Line	Description	Amount
1	NON-FUEL COSTS - U-20-072(18)	
2	Allowable Non-Fuel Cost	\$ 3,459,745
3	Twelve Month Total kWh Sales	26,372,361
4	Regulatory Cost Charge	\$ 0.000893
5	Total Non-Fuel Power Costs	0.1321
6	FUEL COSTS	
7	Current Fuel Price	\$ 3.7500
8	Estimated Fuel Consumption (gallons)	48,711
9	Purchased Power	389,553
10	Goat Lake RSA Surcharge	176,451
11	Estimated kWh Sales (kWh)	6,355,890
12	Balancing Account Balance	\$ 35,332.33
13	Total Fuel Power Costs	0.1234
Surcharge Calculation		
Line	Description	Amount
1	Total Estimated Fuel Power Costs	572,219
2	Balancing Account Balance	\$ 35,332.33
3	Total	784,002
4	Estimated Retail Sales	6,355,890
5	Projected Cost of Power	0.1234
6	Base Cost of Power	-
7	Surcharge	\$ 0.1234000

Calculation of Average Customer Class Rate per kWh									
Line	kWh (by Block)	Rate (\$/kWh)	Customer Charge	COPA Surcharge (\$/kWh)	RCC (\$/kWh)	Total Rate (\$/kWh)	Total (\$)	Average Rate (\$/kWh)	Average Rate Less \$0.1958/kWh (\$/kWh)
1	Residential	0.1473	22.00	0.12340	0.000893	0.2716	225.69	0.3009	0.1051

Alaska Power Company
POWER COST EQUALIZATION

Rate Group 2 - Prince of Wales (Coffman Cove/Craig/Kasaan/Klawock/Hollis/Hydaburg/Naukati/Thorne Bay/Whale Pass)

Calculation of Power Cost Equalization			
Line	Description	Prior Commission Determination (\$/kWh)	Updated Commission Determination (\$/kWh)
A	Non-Fuel Power Costs	0.1316	0.1316
B	Fuel Power Costs	0.1380	0.1423
C	Total Power Costs	0.2696	0.2739
D	Total Costs Less \$0.1958/kWh	0.0738	0.0781
E	95% of Total Power Costs	0.0701	0.0742
F	Statutory Maximum [(1-0.1958)*0.95]	0.7640	0.7640
G	Lesser of E or F	0.0701	0.0742
H	Customer Class Rate Residential	0.0124	0.1278
I	Power Cost Equalization - Lesser of G or H Residential	0.0701	0.0742
J	Power Cost Equalization - After Reduction Residential	100% 0.0701	100% 0.0742

Amendment to Allowable Costs		
Line	Description	Amount
1	NON-FUEL COSTS - U-20-072(18)	
2	Allowable Non-Fuel Cost	\$ 3,473,247
3	Twelve Month Total kWh Sales	26,580,329
4	Regulatory Cost Charge	\$ 0.000893
5	Total Non-Fuel Power Costs	\$ 0.1316
6	FUEL COSTS	
7	Current Fuel Price	\$ 3.7326
8	Estimated Fuel Consumption (gallons)	80,000
9	Purchased Power	\$627,734.66
10	Estimated kWh Sales (kWh)	7,189,934
11	Balancing Account Balance	\$ 97,117.75
12	Total Fuel Power Costs	0.1423
Surcharge Calculation		
Line	Description	Amount
1	Total Estimated Fuel Power Costs	926,343
2	Balancing Account Balance	\$ 97,117.75
3	Total	1,023,460
4	Estimated Sales	7,189,934
5	Projected Cost of Power	0.1423
6	Base Cost of Power	-
7	Surcharge	\$ 0.1423

Calculation of Average Customer Class Rate per kWh									
Line	kWh (by Block)	Rate (\$/kWh)	Customer Charge	COPA Surcharge (\$/kWh)	RCC (\$/kWh)	Total Rate (\$/kWh)	Total (\$)	Average Rate (\$/kWh)	Average Rate Less \$0.1958/kWh (\$/kWh)
1	Residential	0.1510	22.00	0.1423	0.000893	0.2942	242.68	0.3236	0.1278

Alaska Power Company
POWER COST EQUALIZATION

Rate Group 3 - Gustavus

Calculation of Power Cost Equalization			Amendment to Allowable Costs		
Line	Description	Prior Commission Determination (\$/kWh)	Updated Commission Determination (\$/kWh)	Line	Description Amount
A	Non-Fuel Power Costs	0.3345	0.3345	1	NON-FUEL COSTS - U-20-072(18)
B	Fuel Power Costs	(0.0344)	0.0346	2	Allowable Non-Fuel Cost \$ 642,513
C	Total Power Costs	0.3001	0.3691	3	Twelve Month Total kWh Sales 1,926,114
D	Total Costs Less \$0.1958/kWh	0.1043	0.1733	4	Regulatory Cost Charge \$ 0.000893
E	95% of Total Power Costs	0.0991	0.1646	5	Total Non-Fuel Power Costs 0.3345
F	Statutory Maximum [(1-0.1958)*0.95]	0.7640	0.7640	6	FUEL COSTS
G	Lesser of E or F	0.0991	0.1646	7	Current Fuel Price \$ 5.8189
H	Customer Class Rate			8	Estimated Fuel Consumption (gallons) 13,000
	Residential	0.1920	0.2610	9	Purchased Power (58,079.90)
I	Power Cost Equalization - Lesser of G or H			10	Estimated kWh Sales (kWh) 624,341.00
	Residential	0.0991	0.1646	11	Balancing Account Balance (Imputed) \$ 4,034.47
J	Power Cost Equalization - After Reduction	100%	100%	12	Total Fuel Power Costs 0.0346
	Residential	0.0991	0.1646	Surcharge Calculation	
				Line	Description Amount
				1	Total Estimated Fuel Power Costs 17,566
				2	Balancing Account Balance (Imputed) \$ 4,034.47
				3	Total 21,600
				4	Estimated Sales 624,341
				5	Projected Cost of Power 0.0346
				6	Base Cost of Power -
				7	Imputed Surcharge \$ 0.0346

Calculation of Average Customer Class Rate per kWh									
Line	kWh (by Block)	Rate (\$/kWh)	Customer Charge	COPA Surcharge (\$/kWh)	RCC (\$/kWh)	Total Rate (\$/kWh)	Total (\$)	Average Rate (\$/kWh)	Average Rate Less \$0.1958/kWh (\$/kWh)
1	Residential	0.3920	22.00	0.0346	0.000893	0.4275	342.62	0.4568	0.2610

Alaska Power Company
POWER COST EQUALIZATION

Rate Group 4 - Tok/Dot Lake/Tetlin

Calculation of Power Cost Equalization			Amendment to Allowable Costs		
Line	Description	Prior Commission Determination (\$/kWh)	Updated Commission Determination (\$/kWh)	Line	Description Amount
A	Non-Fuel Power Costs	0.2739	0.2739	1	NON-FUEL COSTS - U-20-072(18)
B	Fuel Power Costs	0.2471	0.2393	2	Allowable Non-Fuel Cost \$ 2,263,336
C	Total Power Costs	0.5210	0.5132	3	Twelve Month Total kWh Sales 8,289,918
D	Total Costs Less \$0.1958/kWh	0.3252	0.3174	4	Regulatory Cost Charge \$ 0.000893
E	95% of Total Power Costs	0.3089	0.3015	5	Total Non-Fuel Power Costs 0.2739
F	Statutory Maximum [(1-0.1958)*0.95]	0.7640	0.7640	6	FUEL COSTS
G	Lesser of E or F	0.3089	0.3015	7	Current Fuel Price \$ 3.3000
H	Customer Class Rate			8	Estimated Fuel Consumption (gallons) 173,166
	Residential	0.2914	0.2835	9	Purchased Power -
I	Power Cost Equalization - Lesser of G or H			10	Estimated kWh Sales (kWh) 2,265,558
	Residential	0.2914	0.2835	11	Balancing Account Balance \$ (29,343.74)
J	Power Cost Equalization - After Reduction	100%	100%	12	Total Fuel Power Costs 0.2393
	Residential	0.2914	0.2835	Surcharge Calculation	
				Line	Description Amount
				1	Total Estimated Fuel Power Costs 571,448
				2	Balancing Account Balance \$ (29,343.74)
				3	Total 542,104
				4	Estimated Sales 2,265,558
				5	Projected Cost of Power 0.2393
				6	Base Cost of Power -
				7	Surcharge \$ 0.2393

Calculation of Average Customer Class Rate per kWh									
Line	kWh (by Block)	Rate (\$/kWh)	Customer Charge	COPA Surcharge (\$/kWh)	RCC (\$/kWh)	Total Rate (\$/kWh)	Total (\$)	Average Rate (\$/kWh)	Average Rate Less \$0.1958/kWh (\$/kWh)
1	Residential	0.2098	22.00	0.2393	0.000893	0.4500	359.48	0.4793	0.2835

Alaska Power Company
POWER COST EQUALIZATION

Rate Group 5 - Allakaket and Alatna Load Center

Calculation of Power Cost Equalization			
Line	Description	Prior Commission Determination (\$/kWh)	Updated Commission Determination (\$/kWh)
A	Non-Fuel Power Costs	0.3580	0.3580
B	Fuel Power Costs	0.6568	0.6628
C	Total Power Costs	1.0148	1.0208
D	Total Costs Less \$0.1958/kWh	0.8190	0.8250
E	95% of Total Power Costs	0.7781	0.7837
F	Statutory Maximum [(1-0.1958)*0.95]	0.7640	0.7640
G	Lesser of E or F	0.7640	0.7640
H	Customer Class Rate Residential	0.9014	0.9073
I	Power Cost Equalization - Lesser of G or H Residential	0.7640	0.7640
J	Power Cost Equalization - After Reduction Residential	100% 0.7640	100% 0.7640

Amendment to Allowable Costs		
Line	Description	Amount
1	NON-FUEL COSTS - U-20-072(18)	
2	Allowable Non-Fuel Cost	\$ 1,385,292
3	Twelve Month Total kWh Sales	3,878,860
4	Regulatory Cost Charge	\$ 0.000893
5	Total Non-Fuel Power Costs	0.3580
6	FUEL COSTS	
7	Current Fuel Price	\$ 7.5456
8	Estimated Fuel Consumption (gallons)	12,602
9	Purchased Power	-
10	Estimated kWh Sales (kWh)	142,898
11	Balancing Account Balance	\$ (380.72)
12	Total Fuel Power Costs	0.6628
Surcharge Calculation		
Line	Description	Amount
1	Total Estimated Fuel Power Costs	95,090
2	Balancing Account Balance	(380.72)
3	Total	94,709
4	Estimated Sales	142,898
5	Projected Cost of Power	0.6628
6	Base Cost of Power	-
7	Imputed Surcharge	\$ 0.6628

Calculation of Average Customer Class Rate per kWh									
Line	kWh (by Block)	Rate (\$/kWh)	Customer Charge	COPA Surcharge (\$/kWh)	RCC (\$/kWh)	Total Rate (\$/kWh)	Total (\$)	Average Rate (\$/kWh)	Average Rate Less \$0.1958/kWh (\$/kWh)
1	Residential	0.4101	22.00	0.6628	0.000893	1.0738	827.32	1.1031	0.9073

Alaska Power Company
POWER COST EQUALIZATION

Rate Center 5 - Bettles and Evansville Load Center

Calculation of Power Cost Equalization			Amendment to Allowable Costs		
Line	Description	Prior Commission Determination (\$/kWh)	Updated Commission Determination (\$/kWh)	Line	Description Amount
A	Non-Fuel Power Costs	0.3580	0.3580	1	NON-FUEL COSTS - U-16-078(11)
B	Fuel Power Costs	0.3077	0.3373	2	Allowable Non-Fuel Cost \$ 1,385,292
C	Total Power Costs	0.6657	0.6953	3	Twelve Month Total kWh Sales 3,878,860
D	Total Costs Less \$0.1958/kWh	0.4699	0.4995	4	Regulatory Cost Charge \$ 0.000893
E	95% of Total Power Costs	0.4464	0.47453	5	Total Non-Fuel Power Costs 0.3580
F	Statutory Maximum [(1-0.1958)*0.95]	0.7640	0.7640	6	FUEL COSTS
G	Lesser of E or F	0.4464	0.47453	7	Current Fuel Price \$ 3.4751
H	Customer Class Rate			8	Estimated Fuel Consumption (gallons) 9,811
	Residential	0.5523	0.5818	9	Purchased Power -
I	Power Cost Equalization - Lesser of G or H			10	Estimated kWh Sales (kWh) 112,360
	Residential	0.4464	0.47453	11	Balancing Account Balance (Actual) \$ 3,805.44
J	Power Cost Equalization - After Reduction	100%	100%	12	Total Fuel Power Costs 0.3373
	Residential	0.4464	0.47452	Surcharge Calculation	
				Line	Description Amount
				1	Total Estimated Fuel Power Costs 34,094
				2	Balancing Account Balance (Actual) 3,805.44
				3	Total 37,900
				4	Estimated Sales 112,360
				5	Projected Cost of Power 0.3373
				6	Base Cost of Power -
				7	Surcharge \$ 0.3373

Calculation of Average Customer Class Rate per kWh									
Line	kWh (by Block)	Rate (\$/kWh)	Customer Charge	COPA Surcharge (\$/kWh)	RCC (\$/kWh)	Total Rate (\$/kWh)	Total (\$)	Average Rate (\$/kWh)	Average Rate Less \$0.1958/kWh (\$/kWh)
1	Residential	0.4101	22.00	0.3373	0.000893	0.7483	583.22	0.7776	0.5818

Alaska Power Company
POWER COST EQUALIZATION

Rate Group 5 - Chistochina, Mentasta and Slna Load Center

Calculation of Power Cost Equalization			Amendment to Allowable Costs		
Line	Description	Prior Commission Determination (\$/kWh)	Updated Commission Determination (\$/kWh)	Line	Description Amount
A	Non-Fuel Power Costs	0.3580	0.3580	1	NON-FUEL COSTS - U-16-078(11)
B	Fuel Power Costs	0.2600	0.2157	2	Allowable Non-Fuel Cost \$ 1,385,292
C	Total Power Costs	0.6180	0.5737	3	Twelve Month Total kWh Sales 3,878,860
D	Total Costs Less \$0.1958/kWh	0.4222	0.3779	4	Regulatory Cost Charge \$ 0.000893
E	95% of Total Power Costs	0.4011	0.3590	5	Total Non-Fuel Power Costs 0.3580
F	Statutory Maximum [(1-0.1958)*0.95]	0.7640	0.7640	6	FUEL COSTS
G	Lesser of E or F	0.4011	0.3590	7	Current Fuel Price \$ 3.5242
H	Customer Class Rate			8	Estimated Fuel Consumption (gallons) 24,328
	Residential	0.5045	0.4602	9	Purchased Power -
I	Power Cost Equalization - Lesser of G or H			10	Estimated kWh Sales (kWh) 314,840
	Residential	0.4011	0.3590	11	Balancing Account Balance (Actual) \$ (17,823.59)
J	Power Cost Equalization - After Reduction	100%	100%	12	Total Fuel Power Costs 0.2157
	Residential	0.4011	0.3590	Surcharge Calculation	
				Line	Description Amount
				1	Total Estimated Fuel Power Costs 85,737
				2	Balancing Account Balance (Actual) (17,823.59)
				3	Total 67,913
				4	Estimated Sales 314,840
				5	Projected Cost of Power 0.2157
				6	Base Cost of Power -
				7	Imputed Surcharge \$ 0.2157

Calculation of Average Customer Class Rate per kWh									
Line	kWh (by Block)	Rate (\$/kWh)	Customer Charge	COPA Surcharge (\$/kWh)	RCC (\$/kWh)	Total Rate (\$/kWh)	Total (\$)	Average Rate (\$/kWh)	Average Rate Less \$0.1958/kWh (\$/kWh)
1	Residential	0.4101	22.00	0.2157	0.000893	0.6267	492.02	0.6560	0.4602

Alaska Power Company
POWER COST EQUALIZATION

Rate Group 5 - Eagle and Eagle Village Load Center

Calculation of Power Cost Equalization			Amendment to Allowable Costs		
Line	Description	Prior Commission Determination (\$/kWh)	Updated Commission Determination (\$/kWh)	Line	Description Amount
A	Non-Fuel Power Costs	0.3580	0.3580	1	NON-FUEL COSTS - U-16-078(11)
B	Fuel Power Costs	0.5831	0.4518	2	Allowable Non-Fuel Cost \$ 1,385,292
C	Total Power Costs	0.9411	0.8098	3	Twelve Month Total kWh Sales 3,878,860
D	Total Costs Less \$0.1958/kWh	0.7453	0.6140	4	Regulatory Cost Charge \$ 0.000893
E	95% of Total Power Costs	0.7080	0.5833	5	Total Non-Fuel Power Costs 0.3580
F	Statutory Maximum [(1-0.1958)*0.95]	0.7640	0.7640	6	FUEL COSTS
G	Lesser of E or F	0.7080	0.5833	7	Current Fuel Price \$ 4.7139
H	Customer Class Rate			8	Estimated Fuel Consumption (gallons) 17,267
	Residential	0.8276	0.6963	9	Purchased Power -
I	Power Cost Equalization - Lesser of G or H			10	Estimated kWh Sales (kWh) 177,906
	Residential	0.7080	0.5833	11	Balancing Account Balance \$ (1,023.59)
J	Power Cost Equalization - After Reduction	100%	100%	12	Total Fuel Power Costs 0.4518
	Residential	0.7080	0.5833	Surcharge Calculation	
				Line	Description Amount
				1	Total Estimated Fuel Power Costs 81,395
				2	Balancing Account Balance (1,023.59)
				3	Total 80,371
				4	Estimated Sales 177,906
				5	Projected Cost of Power 0.4518
				6	Base Cost of Power -
				7	Surcharge \$ 0.4518

Calculation of Average Customer Class Rate per kWh									
Line	kWh (by Block)	Rate (\$/kWh)	Customer Charge	COPA Surcharge (\$/kWh)	RCC (\$/kWh)	Total Rate (\$/kWh)	Total (\$)	Average Rate (\$/kWh)	Average Rate Less \$0.1958/kWh (\$/kWh)
1	Residential	0.4101	22.00	0.4518	0.000893	0.8628	669.07	0.8921	0.6963

Alaska Power Company
POWER COST EQUALIZATION

Rate Group 5 - Healy Lake Load Center

Calculation of Power Cost Equalization			Amendment to Allowable Costs		
Line	Description	Prior Commission Determination (\$/kWh)	Updated Commission Determination (\$/kWh)	Line	Description Amount
A	Non-Fuel Power Costs	0.3580	0.3580	1	NON-FUEL COSTS - U-16-078(11)
B	Fuel Power Costs	0.5319	0.5616	2	Allowable Non-Fuel Cost \$ 1,385,292
C	Total Power Costs	0.8899	0.9196	3	Twelve Month Total kWh Sales 3,878,860
D	Total Costs Less \$0.1958/kWh	0.6941	0.7238	4	Regulatory Cost Charge \$ 0.000893
E	95% of Total Power Costs	0.6594	0.6876	5	Total Non-Fuel Power Costs 0.3580
F	Statutory Maximum [(1-0.1958)*0.95]	0.7640	0.7640	6	FUEL COSTS
G	Lesser of E or F	0.6594	0.6876	7	Current Fuel Price \$ 4.0737
H	Customer Class Rate			8	Estimated Fuel Consumption (gallons) 3,111
	Residential	0.7764	0.8062	9	Purchased Power -
I	Power Cost Equalization - Lesser of G or H			10	Estimated kWh Sales (kWh) 23,589
	Residential	0.6594	0.6876	11	Balancing Account Balance \$ 574.97
J	Power Cost Equalization - After Reduction	100%	100%	12	Total Fuel Power Costs 0.5616
	Residential	0.6594	0.6876	Surcharge Calculation	
				Line	Description Amount
				1	Total Estimated Fuel Power Costs 12,673
				2	Balancing Account Balance 574.97
				3	Total 13,248
				4	Estimated Sales 23,589
				5	Projected Cost of Power 0.5616
				6	Base Cost of Power -
				7	Surcharge \$ 0.5616

Calculation of Average Customer Class Rate per kWh									
Line	kWh (by Block)	Rate (\$/kWh)	Customer Charge	COPA Surcharge (\$/kWh)	RCC (\$/kWh)	Total Rate (\$/kWh)	Total (\$)	Average Rate (\$/kWh)	Average Rate Less \$0.1958/kWh (\$/kWh)
1	Residential	0.4101	22.00	0.5616	0.000893	0.9726	751.47	1.0020	0.8062

Alaska Power Company
POWER COST EQUALIZATION

Rate Group 5 - Northway and Northway Village Load Center

Calculation of Power Cost Equalization			
Line	Description	Prior Commission Determination (\$/kWh)	Updated Commission Determination (\$/kWh)
A	Non-Fuel Power Costs	0.3580	0.3580
B	Fuel Power Costs	0.2523	0.2056
C	Total Power Costs	0.6103	0.5636
D	Total Costs Less \$0.1958/kWh	0.4145	0.3678
E	95% of Total Power Costs	0.3938	0.3494
F	Statutory Maximum [(1-0.1958)*0.95]	0.7640	0.7640
G	Lesser of E or F	0.3938	0.3494
H	Customer Class Rate Residential	0.4968	0.4501
I	Power Cost Equalization - Lesser of G or H Residential	0.3938	0.3494
J	Power Cost Equalization - After Reduction Residential	100% 0.3938	100% 0.3494

Amendment to Allowable Costs		
Line	Description	Amount
1	NON-FUEL COSTS - U-16-078(11)	
2	Allowable Non-Fuel Cost	\$ 1,385,292
3	Twelve Month Total kWh Sales	3,878,860
4	Regulatory Cost Charge	\$ 0.000893
5	Total Non-Fuel Power Costs	0.3580
6	FUEL COSTS	
7	Current Fuel Price	\$ 3.4100
8	Estimated Fuel Consumption (gallons)	20,185
9	Purchased Power	-
10	Estimated kWh Sales (kWh)	236,324
11	Balancing Account Balance	\$ (20,253.22)
12	Total Fuel Power Costs	0.2056
Surcharge Calculation		
Line	Description	Amount
1	Total Estimated Fuel Power Costs	68,831
2	Balancing Account Balance	(20,253.22)
3	Total	48,578
4	Estimated Sales	236,324
5	Projected Cost of Power	0.2056
6	Base Cost of Power	-
7	Surcharge	\$ 0.2056

Calculation of Average Customer Class Rate per kWh									
Line	kWh (by Block)	Rate (\$/kWh)	Customer Charge	COPA Surcharge (\$/kWh)	RCC (\$/kWh)	Total Rate (\$/kWh)	Total (\$)	Average Rate (\$/kWh)	Average Rate Less \$0.1958/kWh (\$/kWh)
1	Residential	0.4101	22.00	0.2056	0.000893	0.6165	484.41	0.6459	0.4501

RCA No. 2

75th Revision	Sheet No. 111	RECEIVED DEC 14 2022 <small>STATE OF ALASKA REGULATORY COMMISSION OF ALASKA</small>																				
Cancelling:																						
74th Revision	Sheet No. 111																					
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Rate Group 1: SKAGWAY and HAINES Load Center: Schedule A-5 Cost of Power Account (Continued)																						
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3. Total 1 + 2 \$915,991																						
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Tariff Advice No. TA 902-2 Effective: January 24, 2023																						
Issued by: Alaska Power Company																						
By: <u>Mary Jo Quandt</u> Title: V/P Chief Customer Operations																						

RCA No. 2

76th Revision	Sheet No. 111	RECEIVED MAR 10 2023 <small>RCA</small>																				
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75th Revision	Sheet No. 111																					
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Tariff Advice No. TA 907-2 Effective:																						
Issued by: Alaska Power Company																						
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RCA No. 2

79th Revision _____ Cancelling: _____ 78th Revision _____	Sheet No. <u>112</u> Sheet No. <u>112</u>	<div style="border: 2px solid black; padding: 5px; margin: 0 auto; width: 80%;"> RECEIVED DEC 14 2022 <small>STATE OF ALASKA REGULATORY COMMISSION OF ALASKA</small> </div>																									
Alaska Power Company																											
<div style="display: flex; justify-content: space-between;"> <div> Rate Grp 2: _____ Load Centers: _____ </div> <div> Prince of Wales Island Service Area. Coffman Cove, Craig, Hollis, Hydaburg, Kasaan, Klawock, Naukati, Thorne Bay, Whale Pass </div> </div> <p style="text-align: center;">Schedule A-5 Cost Of Power Account (Continued)</p> <p>E. Determination of Cost of Power Account.</p> <p>1. Estimated costs for 3 months beginning Dec 1, 2022</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 20%;">Source of Energy</th> <th style="width: 20%;">Estimated Quantities</th> <th style="width: 20%;">Estimated Costs</th> <th style="width: 20%;"></th> <th style="width: 20%;">Total</th> </tr> </thead> <tbody> <tr> <td>Fuel Oil</td> <td>90,613 Gallons</td> <td>\$4.0000</td> <td>\$/Gal.</td> <td>\$362,452.00</td> </tr> <tr> <td>BBL Hydro, Inc.</td> <td>6,882,833 kwh</td> <td>0.06724</td> <td>per kwh</td> <td>\$462,801.69</td> </tr> <tr> <td>Haida Energy Inc. (HEI)</td> <td>868,287 kwh</td> <td>0.3001</td> <td>per kwh</td> <td>\$260,572.93</td> </tr> <tr> <td colspan="4">Subtotal</td> <td>\$1,085,826.62</td> </tr> </tbody> </table> <p>2. Cost of Power Balance Account as of Dec 1, 2022 (\$2,332.39)</p> <p>3. Total 1 + 2 \$1,083,494.23</p> <p>4. Estimated KWH sales for 3 months beginning Dec 1, 2022 7,849,470 kWh's</p> <p>5. Average Cost of Power [3 divided by 4] (Cost of Power Adjustment). \$0.1380 per kWh</p>			Source of Energy	Estimated Quantities	Estimated Costs		Total	Fuel Oil	90,613 Gallons	\$4.0000	\$/Gal.	\$362,452.00	BBL Hydro, Inc.	6,882,833 kwh	0.06724	per kwh	\$462,801.69	Haida Energy Inc. (HEI)	868,287 kwh	0.3001	per kwh	\$260,572.93	Subtotal				\$1,085,826.62
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RCA No. 2

80th Revision _____ Cancelling: _____ 79th Revision _____	Sheet No. <u>112</u> Sheet No. <u>112</u>	<div style="border: 2px solid black; padding: 5px; margin: 0 auto; width: 80%;"> <div style="text-align: center;"> <small>TARIFF SECTION</small> RECEIVED APR 06 2023 <small>RCA</small> </div> </div>																									
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RCA No. 2

81st Revision _____ Cancelling: _____ 80th Revision _____	Sheet No. _____ 113 Sheet No. _____ 113	<div style="border: 2px solid black; padding: 5px; display: inline-block;"> RECEIVED DEC 16 2022 </div> <p style="font-size: small; margin-top: 5px;">STATE OF ALASKA REGULATORY COMMISSION OF ALASKA</p>																																										
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82nd Revision _____ Cancelling: _____ 81st Revision _____	Sheet No. _____ 113 Sheet No. _____ 113	<div style="border: 2px solid black; padding: 5px; display: inline-block;"> RECEIVED APR 06 2023 </div> <p style="font-size: small; margin-top: 5px;">STATE OF ALASKA REGULATORY COMMISSION OF ALASKA</p>																																										
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STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

Alaska Power Company

Rate Grp 3 Gustavus

SMALL FACILITY POWER PURCHASE RATE (SFPPR)

The rate at which the Utility will purchase energy from Qualifying Facilities with a design capacity of 100 kW or less is calculated based upon the number of gallons of diesel consumed in the historical period used in the Cost of Power Adjustment calculation, updated to reflect the current price of the Utility's fuel inventory, divided by the number of kWh generated by diesel in the historical period used in the Cost of Power Adjustment calculation.

This rate will only be applicable when hydroelectric resources are not available.

A	Gallons consumed (historical period)		10661.5	C
B	Current fuel price		5.0828	
C	Total Fuel Costs	(A x B)	54,190.27	
D	Diesel kWh generated (historical period)		139,865	C
E	Small Facility Power Purchase Rate	(C/D)	0.3874	

Tariff Advice No. TA 902-2 Effective: **January 24, 2023**

Issued by:	Alaska Power Company
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By: Mary Jo Quandt Title: V/P Chief Customer Operations

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2023
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Alaska Power Company

Rate Grp 3	Gustavus
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SMALL FACILITY POWER PURCHASE RATE (SFPPR)

The rate at which the Utility will purchase energy from Qualifying Facilities with a design capacity of 100 kW or less is calculated based upon the number of gallons of diesel consumed in the historical period used in the Cost of Power Adjustment calculation, updated to reflect the current price of the Utility's fuel inventory, divided by the number of kWh generated by diesel in the historical period used in the Cost of Power Adjustment calculation.

This rate will only be applicable when hydroelectric resources are not available.

A	Gallons consumed (historical period)		266.5	C
B	Current fuel price		6.0072	
C	Total Fuel Costs	(A x B)	1,600.92	
D	Diesel kWh generated (historical period)		4,036	C
E	Small Facility Power Purchase Rate	(C/D)	0.3967	

Tariff Advice No.	907-2	Effective:
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Issued by:	Alaska Power Company
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By: Mary Jo Quandt Title: V/P Chief Customer Operations

RCA No. 2

83rd Revision _____ Cancelling: _____ 82nd Revision _____	Sheet No. _____ Sheet No. _____	RECEIVED DEC 14 2022 <small>STATE OF ALASKA REGULATORY COMMISSION OF ALASKA</small>																				
Alaska Power Company																						
Rate Group 4. Tok/Dot Lake/Tetlin Load Center: Schedule A-5 Cost of Power Account (Continued)																						
E. Determination of Cost of Power Account:																						
1. Estimated costs for 3 months beginning Dec 1, 2022																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Source of Energy</th> <th style="width: 20%;">Estimated Quantities</th> <th style="width: 20%;">Estimated</th> <th style="width: 30%;">Total</th> </tr> </thead> <tbody> <tr> <td>Fuel Oil</td> <td>213,055 Gallons</td> <td>\$3.2000</td> <td>681,776.00</td> </tr> <tr> <td>Purchases</td> <td>0</td> <td></td> <td>0.00</td> </tr> <tr> <td>Other</td> <td>0</td> <td>0</td> <td>0.00</td> </tr> <tr> <td colspan="3">Subtotal</td> <td>\$681,776.00</td> </tr> </tbody> </table>	Source of Energy	Estimated Quantities	Estimated	Total	Fuel Oil	213,055 Gallons	\$3.2000	681,776.00	Purchases	0		0.00	Other	0	0	0.00	Subtotal			\$681,776.00		
Source of Energy	Estimated Quantities	Estimated	Total																			
Fuel Oil	213,055 Gallons	\$3.2000	681,776.00																			
Purchases	0		0.00																			
Other	0	0	0.00																			
Subtotal			\$681,776.00																			
2. Cost of Power Balance Account as of Dec 1, 2022																						
		\$13,764.62																				
3. Total 1 + 2																						
		\$695,540.62																				
4. Estimated KWH sales for 3 months beginning Dec 1, 2022																						
		2,814,454 kwh's																				
5. Average Cost of Power [3 divided by 4] (Cost of Power Adjustment)																						
	\$0.2471 per kwh	R																				
Tariff Advice No. TA 902-2 Effective: January 24, 2023																						
Issued by: Alaska Power Company																						
By: Mary Jo Quandt Title: V/P Chief Customer Operations																						

RCA No. 2

84th Revision _____ Cancelling: _____ 83rd Revision _____	Sheet No. _____ Sheet No. _____	<div style="border: 2px solid green; border-radius: 50%; padding: 10px; display: inline-block;"> <small>TARIFF SECTION</small> RECEIVED MAR 10 2023 <small>RCA</small> </div>																				
Alaska Power Company																						
Rate Group 4. Tok/Dot Lake/Tetlin Load Center: Schedule A-5 Cost of Power Account (Continued)																						
E. Determination of Cost of Power Account:																						
1. Estimated costs for 3 months beginning Mar 1, 2023																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Source of Energy</th> <th style="width: 20%;">Estimated Quantities</th> <th style="width: 20%;">Estimated</th> <th style="width: 30%;">Total</th> </tr> </thead> <tbody> <tr> <td>Fuel Oil</td> <td>173,166 Gallons</td> <td>\$3.3000</td> <td>571,447.80</td> </tr> <tr> <td>Purchases</td> <td>0</td> <td></td> <td>0.00</td> </tr> <tr> <td>Other</td> <td>0</td> <td>0</td> <td>0.00</td> </tr> <tr> <td colspan="3">Subtotal</td> <td>\$571,447.80</td> </tr> </tbody> </table>	Source of Energy	Estimated Quantities	Estimated	Total	Fuel Oil	173,166 Gallons	\$3.3000	571,447.80	Purchases	0		0.00	Other	0	0	0.00	Subtotal			\$571,447.80		
Source of Energy	Estimated Quantities	Estimated	Total																			
Fuel Oil	173,166 Gallons	\$3.3000	571,447.80																			
Purchases	0		0.00																			
Other	0	0	0.00																			
Subtotal			\$571,447.80																			
2. Cost of Power Balance Account as of Mar 1, 2023																						
		(\$29,343.74)																				
3. Total 1 + 2																						
		\$542,104.06																				
4. Estimated KWH sales for 3 months beginning Mar 1, 2023																						
		2,265,558 kwh's																				
5. Average Cost of Power [3 divided by 4] (Cost of Power Adjustment)																						
	\$0.2393 per kwh	R																				
Tariff Advice No. TA 907-2 Effective:																						
Issued by: Alaska Power Company																						
By: Mary Jo Quandt Title: V/P Chief Customer Operations																						

RCA No. 2

80th Revision	Sheet No. 115	RECEIVED DEC 14 2022 <small>STATE OF ALASKA REGULATORY COMMISSION OF ALASKA</small>	
Cancelling:			
79th Revision	Sheet No. 115		
Alaska Power Company			
Rate Group 5 Interior Villages Load Centers: Allakaket/Alatna, Bettles, Chistochina/Mentasta/Slana Schedule A-5 Cost of Power Account (Continued)			
E. Determination of Cost of Power Account.			
1. Estimated costs for 3 months beginning Dec 1, 2022			
<u>Source of Energy:</u>	Allakaket	Bettles	Chistochina/ Mentasta/Slana
Fuel Oil: Gallons	15,976	14,055	35,217
Estimated \$/Gal.	\$7.2800	\$3.4751	\$3.2000
Total Estimate of Fuel Oil Cost	\$116,305.28	\$48,842.53	\$112,694.40
Purchases	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Subtotal	\$116,305.28	\$48,842.53	\$112,694.40
2. Cost of Power Balance Account as of Dec 1, 2022	\$2,706.19	(\$571.59)	(\$7,981.54)
3. Total 1 + 2	\$119,011.47	\$48,270.94	\$104,712.86
4. Estimated KWH sales for 3 months beginning Dec 1, 2022	181,189	156,852	402,726 KWH's
5. Average Cost of Power {3 divided by 4} (Cost of Power Adjustment)	\$0.6568	\$0.3077	\$0.2600 per kwh R/R/R
Tariff Advice No. TA 902-2 Effective: January 24, 2023 Issued Alaska Power Company			
By: Mary Jo Quandt Title: V/P Chief Customer Operations			

RCA No. 2

81st Revision	Sheet No. 115	<div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block;"> <small>TARIFF SECTION</small> RECEIVED MAR 10 2023 <small>RCA</small> </div>	
Cancelling:			
80th Revision	Sheet No. 115		
Alaska Power Company			
Rate Group 5 Interior Villages Load Centers: Allakaket/Alatna, Bettles, Chistochina/Mentasta/Slana Schedule A-5 Cost of Power Account (Continued)			
E. Determination of Cost of Power Account.			
1. Estimated costs for 3 months beginning Mar 1, 2023			
<u>Source of Energy:</u>	Allakaket	Bettles	Chistochina/ Mentasta/Slana
Fuel Oil: Gallons	12,602	9,811	24,328
Estimated \$/Gal.	\$7.5456	\$3.4751	\$3.5242
Total Estimate of Fuel Oil Cost	\$95,089.27	\$34,094.21	\$85,736.74
Purchases	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Subtotal	\$95,089.27	\$34,094.21	\$85,736.74
2. Cost of Power Balance Account as of Mar 1, 2023	(\$380.72)	\$3,805.44	(\$17,823.59)
3. Total 1 + 2	\$94,708.55	\$37,899.65	\$67,913.15
4. Estimated KWH sales for 3 months beginning Mar 1, 2023	142,898	112,360	314,840 KWH's
5. Average Cost of Power {3 divided by 4} (Cost of Power Adjustment)	\$0.6628	\$0.3373	\$0.2157 per kwh I/I/R
Tariff Advice No. TA 907-2 Effective: Issued Alaska Power Company			
By: Mary Jo Quandt Title: V/P Chief Customer Operations			

RCA No. 2

83rd Revision

Cancelling:

82nd Revision

Sheet No. 116

Sheet No. 116

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STATE OF ALASKA

REGULATORY COMMISSION OF ALASKA

Alaska Power Company

Rate Group 5

Load Centers:

Interior Villages

Eagle/Healy Lake/Northway

Schedule A-5

Cost of Power Account (Continued)

E. Determination of Cost of Power Account.

1. Estimated costs for 3 months beginning Dec 1, 2022

Source of Energy:

Fuel Oil: Gallons

Estimated \$/Gal.

Total Estimate of Fuel Oil Cost

Purchases

Other

Subtotal

2. Cost of Power Balance Account as of Dec 1, 2022

3. Total 1 + 2

4. Estimated KWH sales for 3 months beginning Dec 1, 2022

5. Average Cost of Power [3 divided by 4]
(Cost of Power Adjustment)

per kwh

I/I/R

Tariff Advice No. TA 902-2

Effective: January 24, 2023

Issued | Alaska Power Company

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84th Revision

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83rd Revision

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Alaska Power Company

Rate Group 5

Load Centers:

Interior Villages

Eagle/Healy Lake/Northway

Schedule A-5

Cost of Power Account (Continued)

E. Determination of Cost of Power Account.

1. Estimated costs for 3 months beginning Mar 1, 2023

Source of Energy:

Fuel Oil: Gallons

Estimated \$/Gal.

Total Estimate of Fuel Oil Cost

Purchases

Other

Subtotal

2. Cost of Power Balance Account as of Mar 1, 2023

3. Total 1 + 2

4. Estimated KWH sales for 3 months beginning Mar 1, 2023

5. Average Cost of Power [3 divided by 4]
(Cost of Power Adjustment)

per kwh

R/I/R

Tariff Advice No. TA 907-2

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By: Mary Jo Quandt

Title: V/P Chief Customer Operations

RCA No. 2 73rd Revision Sheet No. 118
 Canceling 72nd Revision Sheet No. 118

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STATE OF ALASKA
 REGULATORY COMMISSION OF ALASKA

Alaska Power Company

Rate Group 1

SKAGWAY and HAINES
Schedule No. A-6

SMALL FACILITY POWER PURCHASE RATE (SFPPR)

This tariff is applicable to the purchase of energy from a Qualifying Facility. A qualifying facility is a co-generation facility or a small power production facility which meets the criteria prescribed by Part 292, Subpart B of the Federal Energy Regulatory Commission Regulations 18 CFR 292.101(b)(1), as effective April 1, 2015, including size, fuel use, ownership, and efficiency standards.

Rates: The rates reflected below are based on the cost of energy which APC will avoid by virtue of its interconnection with qualifying facilities.

Rate A:

This rate shall be effective at all times that energy is available from Goat Lake Hydro, Inc. (GLH) hydroelectric generation sufficient to meet all APC customers' energy requirements. Rate A is set to zero.

Rate B:

This rate shall be effective when APC is using diesel fuel to generate electricity. However, diesel generation for maintenance and testing purposes of two hours or less per day will not cause this rate to become effective.

The rate at which the utility will purchase energy from Qualifying Facilities with a design capacity of 100 kW or less is calculated based upon the number of gallons of diesel consumed in the historical period used in the Cost of Power Adjustment calculation, updated to reflect the current price of the Utility's fuel inventory, divided by the number of kWh generated by diesel in the historical period used in the Cost of Power Adjustment calculation.

A	Gallons consumed (historical period)	106,041	C
B	Current fuel price	\$ 4.8908	
C	Total fuel costs (A x B)	\$ 518,625.32	
D	Diesel kWh generated (historical period)	1,472,473	C
E	Small Facility Power Purchase Rate (C/D)	\$ 0.3522	R

Tariff Advice No. TA 902-2 Effective: **January 24, 2023**
 Issued by: Alaska Power Company
 By: Mary Jo Quandt Title: V/P Chief Customer Operations

RCA No. 2 74th Revision Sheet No. 118
 Canceling 73rd Revision Sheet No. 118



Alaska Power Company

Rate Group 1

SKAGWAY and HAINES
Schedule No. A-6

SMALL FACILITY POWER PURCHASE RATE (SFPPR)

This tariff is applicable to the purchase of energy from a Qualifying Facility. A qualifying facility is a co-generation facility or a small power production facility which meets the criteria prescribed by Part 292, Subpart B of the Federal Energy Regulatory Commission Regulations 18 CFR 292.101(b)(1), as effective April 1, 2015, including size, fuel use, ownership, and efficiency standards.

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This rate shall be effective at all times that energy is available from Goat Lake Hydro, Inc. (GLH) hydroelectric generation sufficient to meet all APC customers' energy requirements. Rate A is set to zero.

Rate B:

This rate shall be effective when APC is using diesel fuel to generate electricity. However, diesel generation for maintenance and testing purposes of two hours or less per day will not cause this rate to become effective.

The rate at which the utility will purchase energy from Qualifying Facilities with a design capacity of 100 kW or less is calculated based upon the number of gallons of diesel consumed in the historical period used in the Cost of Power Adjustment calculation, updated to reflect the current price of the Utility's fuel inventory, divided by the number of kWh generated by diesel in the historical period used in the Cost of Power Adjustment calculation.


A	Gallons consumed (historical period)	88,711	C
B	Current fuel price	\$ 3.7487	
C	Total fuel costs (A x B)	\$ 332,550.93	
D	Diesel kWh generated (historical period)	1,271,502	C
E	Small Facility Power Purchase Rate (C/D)	\$ 0.2615	R

Tariff Advice No. TA 907-2 Effective: _____
 Issued by: Alaska Power Company
 By: Mary Jo Quandt Title: V/P Chief Customer Operations

RCA No. 2

43rd Revision	Sheet No.	118.1	RECEIVED DEC 14 2022 STATE OF ALASKA REGULATORY COMMISSION OF ALASKA
Cancelling:			
42nd Revision	Sheet No.	118.1	
Alaska Power Company			
Rate Group 1 SKAGWAY and HAINES Net Metering Rate Schedule <div style="text-align: right;">Schedule A-6 con't.</div>			
Rate C: The rate shall be effective for Net Metering customers. The rate is calculated using the cost of diesel fuel and purchased energy consumed for the last three months divided by the total kilowatt-hours produced by diesel and hydro for the last 3 months.			
$\text{Avoided Energy Cost} = \frac{\text{Cost of Diesel fuel and purchased energy consumed during the previous 3 months}}{\text{Total Kilowatt-hours produced (diesel and hydro) in the previous 3 months}}$			
This rate will be adjusted in conjunction with APC's quarterly COPA filing for this load center.			
Rate C for the current period:			
$\text{Avoided Energy Cost} = \frac{\$579,922}{6,932,185 \text{ kwh}} = \0.0837 per kwh			
I			
Tariff Advice No. TA 902-2		Effective: January 24, 2023	
Issued by: Alaska Power Company			
By: _____			
Mary Jo Quandt		Title: V/P Chief Customer Operations	

RCA No. 2

44th Revision	Sheet No.	118.1	
Cancelling:			
43rd Revision	Sheet No.	118.1	
Alaska Power Company			
Rate Group 1 SKAGWAY and HAINES Net Metering Rate Schedule <div style="text-align: right;">Schedule A-6 con't.</div>			
Rate C: The rate shall be effective for Net Metering customers. The rate is calculated using the cost of diesel fuel and purchased energy consumed for the last three months divided by the total kilowatt-hours produced by diesel and hydro for the last 3 months.			
$\text{Avoided Energy Cost} = \frac{\text{Cost of Diesel fuel and purchased energy consumed during the previous 3 months}}{\text{Total Kilowatt-hours produced (diesel and hydro) in the previous 3 months}}$			
This rate will be adjusted in conjunction with APC's quarterly COPA filing for this load center.			
Rate C for the current period:			
$\text{Avoided Energy Cost} = \frac{\$865,958}{7,628,598 \text{ kwh}} = \0.1135 per kwh			
I			
Tariff Advice No. TA 907-2		Effective:	
Issued by: Alaska Power Company			
By: _____			
Mary Jo Quandt		Title: V/P Chief Customer Operations	

RCA No. 2 77th Revision Sheet No. 119
Canceling 76th Revision Sheet No. 119

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STATE OF ALASKA
REGULATORY COMMISSION OF ALASKA

Alaska Power Company

Rate Group 2

PRINCE OF WALES ISLAND
Schedule No. A-6

SMALL FACILITY POWER PURCHASE RATE (SFPPR)

This tariff is applicable to the purchase of energy from a Qualifying Facility. A qualifying facility is a co-generation facility or a small power production facility which meets the criteria prescribed by Part 292, Subpart B of the Federal Energy Regulatory Commission Regulations 18 CFR 292.101(b)(1), as effective April 1, 2015, including size, fuel use, ownership, and efficiency standards.

Rates: The rates reflected below are based on the cost of energy which APC will avoid by virtue of its interconnection with qualifying facilities.

Rate A:

This rate shall be effective at all times that energy is available from Black Bear Hydro (BBL) and Haida Energy, Inc. (HEI) hydroelectric generation sufficient to meet all APC customers' energy requirements. Rate A is set to zero.

Rate B:

This rate shall be effective when APC is using diesel fuel to generate electricity. However, diesel generation for maintenance and testing purposes of two hours or less per day will not cause this rate to become effective.

The rate at which the utility will purchase energy from Qualifying Facilities with a design capacity of 100 kW or less is calculated based upon the number of gallons of diesel consumed in the historical period used in the Cost of Power Adjustment calculation, updated to reflect the current price of the Utility's fuel inventory, divided by the number of kWh generated by diesel in the historical period used in the Cost of Power Adjustment calculation.

A	Gallons consumed (historical period)	90,613	c
B	Current fuel price	\$ 4.7554	
C	Total fuel costs (A x B)	\$ 430,901.06	
D	Diesel kWh generated (historical period)	1,161,601	c
E	Small Facility Power Purchase Rate (C/D)	\$ 0.3710	

Tariff Advice No. TA 902-2 Effective: **January 24, 2023**

Issued by: Alaska Power Company

By: Mary Jo Quandt Title: V/P Chief Customer Operations

RCA No. 2 78th Revision Sheet No. 119
Canceling 77th Revision Sheet No. 119



Alaska Power Company

Rate Group 2

PRINCE OF WALES ISLAND
Schedule No. A-6

SMALL FACILITY POWER PURCHASE RATE (SFPPR)

This tariff is applicable to the purchase of energy from a Qualifying Facility. A qualifying facility is a co-generation facility or a small power production facility which meets the criteria prescribed by Part 292, Subpart B of the Federal Energy Regulatory Commission Regulations 18 CFR 292.101(b)(1), as effective April 1, 2015, including size, fuel use, ownership, and efficiency standards.

Rates: The rates reflected below are based on the cost of energy which APC will avoid by virtue of its interconnection with qualifying facilities.

Rate A:

This rate shall be effective at all times that energy is available from Black Bear Hydro (BBL) and Haida Energy, Inc. (HEI) hydroelectric generation sufficient to meet all APC customers' energy requirements. Rate A is set to zero.

Rate B:

This rate shall be effective when APC is using diesel fuel to generate electricity. However, diesel generation for maintenance and testing purposes of two hours or less per day will not cause this rate to become effective.

The rate at which the utility will purchase energy from Qualifying Facilities with a design capacity of 100 kW or less is calculated based upon the number of gallons of diesel consumed in the historical period used in the Cost of Power Adjustment calculation, updated to reflect the current price of the Utility's fuel inventory, divided by the number of kWh generated by diesel in the historical period used in the Cost of Power Adjustment calculation.

A	Gallons consumed (historical period)	25,260	c
B	Current fuel price	\$ 3.9149	
C	Total fuel costs (A x B)	\$ 98,890.37	
D	Diesel kWh generated (historical period)	314,310	c
E	Small Facility Power Purchase Rate (C/D)	\$ 0.3146	R

Tariff Advice No. TA 907-2 Effective:

Issued by: Alaska Power Company

By: Mary Jo Quandt Title: V/P Chief Customer Operations

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43rd Revision	Sheet No.	119.1	RECEIVED DEC 14 2022 STATE OF ALASKA REGULATORY COMMISSION OF ALASKA
Cancelling:			
42nd Revision	Sheet No.	119.1	
Alaska Power Company			
Rate Group 2 Prince of Wales Island Net Metering Rate Schedule <div style="text-align: right;">Schedule A-6 con't.</div>			
Rate C: The rate shall be effective for Net Metering customers. The rate is calculated using the cost of diesel fuel and purchased energy consumed for the last three months divided by the total kilowatt-hours produced by diesel and hydro for the last 3 months.			
<div style="text-align: center;"> $\begin{array}{l} \text{Avoided Energy Cost} = \frac{\text{Cost of Diesel fuel and purchased energy consumed during the previous 3 months}}{\text{Total Kilowatt-hours produced (diesel and hydro) in the previous 3 months}} \end{array}$ </div> <p>This rate will be adjusted in conjunction with APC's quarterly COPA filing for this load center.</p> <p>Rate C for the current period: C</p> <div style="text-align: center;"> $\begin{array}{l} \text{Avoided Energy Cost} = \frac{\\$756,512}{7,941,034 \text{ kwh}} = \\$0.0953 \text{ per kwh} \end{array}$ </div> <div style="text-align: right;">R</div>			
Tariff Advice No. TA 902-2		Effective: January 24, 2023	
Issued by: Alaska Power Company By: Mary Jo Quandt Title: V/P Chief Customer Operations			

RCA No. 2

44th Revision	Sheet No.	119.1	<div style="border: 1px solid green; border-radius: 50%; padding: 10px; text-align: center;"> TARIFF SECTION RECEIVED MAR 10 2023 RCA </div>
Cancelling:			
43rd Revision	Sheet No.	119.1	
Alaska Power Company			
Rate Group 2 Prince of Wales Island Net Metering Rate Schedule <div style="text-align: right;">Schedule A-6 con't.</div>			
Rate C: The rate shall be effective for Net Metering customers. The rate is calculated using the cost of diesel fuel and purchased energy consumed for the last three months divided by the total kilowatt-hours produced by diesel and hydro for the last 3 months.			
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Tariff Advice No. TA 907-2		Effective:	
Issued by: Alaska Power Company By: Mary Jo Quandt Title: V/P Chief Customer Operations			

RCA No. 2 44th Revision Sheet No. 120
 Canceling
 43rd Revision Sheet No. 120

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 STATE OF ALASKA
 REGULATORY COMMISSION OF ALASKA

Alaska Power Company

Rate Group 4

TOK
Schedule No. A-6

SMALL FACILITY POWER PURCHASE RATE (SFPPR)

This tariff is applicable to the purchase of energy from a Qualifying Facility. A qualifying facility is a co-generation facility or a small power production facility which meets the criteria prescribed by Part 292, Subpart B of the Federal Energy Regulatory Commission Regulations 18 CFR 292.101(b)(1), as effective April 1, 2015, including size, fuel use, ownership, and efficiency standards.

Rate: The rate reflected below is based on the cost of energy which APC will avoid by virtue of its interconnection with qualifying facilities.

The rate at which the utility will purchase energy from Qualifying Facilities with a design capacity of 100 kW or less is calculated based upon the number of gallons of diesel consumed in the historical period used in the Cost of Power Adjustment calculation, updated to reflect the current price of the Utility's fuel inventory, divided by the number of kWh generated by diesel in the historical period used in the Cost of Power Adjustment calculation.

A	Gallons consumed (historical period)		213,055	C
B	Current fuel price	\$	4.3151	
C	Total fuel costs	(A x B) \$	919,353.63	
D	Diesel kWh generated (historical period)		3,108,000	C
E	Small Facility Power Purchase Rate	(C/D) \$	0.2958	R

Tariff Advice No. TA 902-2 Effective: **January 24, 2023**
 Issued by: Alaska Power Company
 By: Mary Jo Quandt Title: V/P Chief Customer Operations

RCA No. 2 45th Revision Sheet No. 120
 Canceling
 44th Revision Sheet No. 120



Alaska Power Company

Rate Group 4

TOK
Schedule No. A-6

SMALL FACILITY POWER PURCHASE RATE (SFPPR)

This tariff is applicable to the purchase of energy from a Qualifying Facility. A qualifying facility is a co-generation facility or a small power production facility which meets the criteria prescribed by Part 292, Subpart B of the Federal Energy Regulatory Commission Regulations 18 CFR 292.101(b)(1), as effective April 1, 2015, including size, fuel use, ownership, and efficiency standards.

Rate: The rate reflected below is based on the cost of energy which APC will avoid by virtue of its interconnection with qualifying facilities.

The rate at which the utility will purchase energy from Qualifying Facilities with a design capacity of 100 kW or less is calculated based upon the number of gallons of diesel consumed in the historical period used in the Cost of Power Adjustment calculation, updated to reflect the current price of the Utility's fuel inventory, divided by the number of kWh generated by diesel in the historical period used in the Cost of Power Adjustment calculation.


A	Gallons consumed (historical period)		173,166	C
B	Current fuel price	\$	3.3046	
C	Total fuel costs	(A x B) \$	572,244.36	
D	Diesel kWh generated (historical period)		2,501,400	C
E	Small Facility Power Purchase Rate	(C/D) \$	0.2288	R

Tariff Advice No. TA 907-2 Effective: _____
 Issued by: Alaska Power Company
 By: Mary Jo Quandt Title: V/P Chief Customer Operations

RCA No. 2

26th Revision	Sheet No.	120.1	RECEIVED DEC 14 2022 STATE OF ALASKA REGULATORY COMMISSION OF ALASKA
Cancelling:			
25th Revision	Sheet No.	120.1	
Alaska Power Company			
Rate Group 4 Tok Net Metering Rate Schedule Schedule A-6 con't.			
This rate shall be effective for Net Metering customers. The rate is calculated using the cost of diesel fuel consumed for the last three months divided by the total kilowatt-hours produced by diesel for the last 3 months.			
$\begin{array}{rcl} \text{Avoided Energy Cost} & = & \frac{\text{Cost of Diesel fuel consumed during the previous 3 months}}{\text{Total Kilowatt-hours produced by diesel in the previous 3 months}} \end{array}$			
This rate will be adjusted in conjunction with APC's quarterly COPA filing for this load center.			
Rate for the current period:			
$\begin{array}{rcl} \text{Avoided Energy Cost} & = & \frac{\$824,693}{2,875,600 \text{ kwh}} = \$0.2868 \text{ per kwh} \end{array}$			
Tariff Advice No. TA 902-2		Effective: January 24, 2023	
Issued by: Alaska Power Company			
By: Mary Jo Quandt Title: V/P Chief Customer Operations			

RCA No. 2

27th Revision	Sheet No.	120.1	
Cancelling:			
26th Revision	Sheet No.	120.1	
Alaska Power Company			
Rate Group 4 Tok Net Metering Rate Schedule Schedule A-6 con't.			
This rate shall be effective for Net Metering customers. The rate is calculated using the cost of diesel fuel consumed for the last three months divided by the total kilowatt-hours produced by diesel for the last 3 months.			
$\begin{array}{rcl} \text{Avoided Energy Cost} & = & \frac{\text{Cost of Diesel fuel consumed during the previous 3 months}}{\text{Total Kilowatt-hours produced by diesel in the previous 3 months}} \end{array}$			
This rate will be adjusted in conjunction with APC's quarterly COPA filing for this load center.			
Rate for the current period:			
$\begin{array}{rcl} \text{Avoided Energy Cost} & = & \frac{\$766,398}{3,282,800 \text{ kwh}} = \$0.2335 \text{ per kwh} \end{array}$			
Tariff Advice No. TA 907-2		Effective:	
Issued by: Alaska Power Company			
By: Mary Jo Quandt Title: V/P Chief Customer Operations			

190th Revision	Sheet No.	121	RECEIVED DEC 16 2022 STATE OF ALASKA REGULATORY COMMISSION OF ALASKA
Canceled:			
189th Revision	Sheet No.	121	
Alaska Power Company			
Schedule A-7 Power Cost Equalization			
The following conditions apply to Power Cost Equalization (PCE) eligibility:			
1. Residential customers are eligible for PCE for actual consumption of not more than 750 kWh per month.			
2. Customers that are classified as local community facilities are eligible for PCE, calculated in the aggregate for each community served by the utility for actual consumption of not more than 70 kWh per month for each resident of the community.			
3. Customers not listed above are not eligible for PCE.			
For bills rendered beginning on or after the effective date, the amount of Power Cost Equalization credited to eligible customers will be at the rates listed for each of the Load Centers below.			
<u>Rate Group:</u>	<u>Load Center:</u>	<u>Amount Per kWh</u> (100% Funding)	
1	Haines and Skagway	\$0.0618	I
2	POW Island	\$0.0701	I
3	Gustavus	\$0.0991	R
4	Tok/Dot Lake/Tetlin	\$0.2914	R
5	Allakaket and Alatna	\$0.7640	
	Bettles and Evansville	\$0.4464	R
	Chistochina/Mentasta/Slana	\$0.4011	R
	Eagle and Eagle Village	\$0.7080	I
	Healy Lake	\$0.6594	I
	Northway and Northway Village	\$0.3938	R
AS 42.45.110(i) provides that when appropriations are insufficient for payment in full, the amount paid to each utility is reduced on a pro rata basis. Beginning with that billing period, the amount of PCE to be credited to the bills of all eligible customers will be shown in a separate column above .			
Tariff Advice No. TA 902-2		Effective: January 24, 2023	
Issued by: Alaska Power Company			
Mary Jo Quandt		Title: V/P Chief Customer Operations	

192nd Revision	Sheet No.	121	RECEIVED APR 06 2023 RCA
Canceled:			
191st Revision	Sheet No.	121	
Alaska Power Company			
Schedule A-7 Power Cost Equalization			
The following conditions apply to Power Cost Equalization (PCE) eligibility:			
1. Residential customers are eligible for PCE for actual consumption of not more than 750 kWh per month.			
2. Customers that are classified as local community facilities are eligible for PCE, calculated in the aggregate for each community served by the utility for actual consumption of not more than 70 kWh per month for each resident of the community.			
3. Customers not listed above are not eligible for PCE.			
For bills rendered beginning on or after the effective date, the amount of Power Cost Equalization credited to eligible customers will be at the rates listed for each of the Load Centers below.			
<u>Rate Group:</u>	<u>Load Center:</u>	<u>Amount Per kWh</u> (100% Funding)	
1	Haines and Skagway	\$0.0567	R
2	POW Island	\$0.0742	I
3	Gustavus	\$0.1646	I
4	Tok/Dot Lake/Tetlin	\$0.2835	R
5	Allakaket and Alatna	\$0.7640	
	Bettles and Evansville	\$0.4745	I
	Chistochina/Mentasta/Slana	\$0.3590	R
	Eagle and Eagle Village	\$0.5833	R
	Healy Lake	\$0.6876	I
	Northway and Northway Village	\$0.3494	R
AS 42.45.110(i) provides that when appropriations are insufficient for payment in full, the amount paid to each utility is reduced on a pro rata basis. Beginning with that billing period, the amount of PCE to be credited to the bills of all eligible customers will be shown in a separate column above .			
Tariff Advice No. TA 907-2		Effective:	
Issued by: Alaska Power Company			
Mary Jo Quandt		Title: V/P Chief Customer Operations	